

PHOTOGRAPHIC INTERPRETATION REPORT



VITAL RECORDS - COPY

KOZELSK  
ICBM COMPLEX  
USSR

[Redacted]

25X1

MAY 1967

COPY 116

8 PAGES

Declass Review by NIMA/DOD

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## PREFACE

This report updates and supersedes [ ] Kozelsk ICBM Complex, 25X1 USSR, 1/ the initial report in a series prepared in response to CIA Requirement C-DI5-82,972 requesting detailed line drawings, to scale, of elements of the complex. The information contained herein is based on KEYHOLE photography through [ ] Individual reports will be updated periodically to reflect changes observed on subsequent photography.

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### KOZELSK ICBM COMPLEX, USSR

The Kozelsk ICBM Complex (Figure 1) is deployed to the west, south, and east of the city of Kozelsk. It is about 120 nm south-southwest of Moskva, on the Khidra river in the East Kaluga Oblast of the Russian SFSR. This complex and Yedrovo are the only ICBM complexes west of Moskva. The complex support facility is about 5.0 nm south of the city, and the rail-to-road transfer point is 1.0 nm west of the complex support facility. The first launch sites to be deployed at Kozelsk, 3 Type IIC and 2 Type IIIB sites, were designed to accommodate the SS-8 missile. Three groups of Type IIID sites are currently under construction at the complex. Each group contains its full complement of 10 sites. The 5 sites for the SS-8 missiles are all deployed generally south of the complex support facility. Two of the Type IIID launch groups are deployed among the SS-8 sites, although they extend well beyond the original boundaries of the complex. The third group is situated to the west of the city. The most distant sites from the complex support facility are about 19 nm to the west, and about 16 nm to the south.

The terrain in this region is gently rolling, and about 30 percent forested. Much of the remaining area is devoted to orchards. Elevations range from a minimum of about 400 feet in the river valley to a maximum of 900 feet, with the deployed launch sites all between 600 and 800 feet. Most of the complex is east of the Khidra river, but Launch Group H is on the west side. The Khidra flows northeast to empty into the Oka, a north-flowing river that lies to the east of the complex. Numerous steep-sided drains dissect the region to empty into either the Khidra or Oka rivers. Fruit growing is the chief occupation in the rural areas, but grain production and cattle raising are also both important to the economy. By Soviet standards for rural areas, this complex is situated in a well-populated region. Scattered towns and villages are to be found throughout the area.

The complex is in the south-central part of the Forest Zone of the European USSR. It is at about the same latitude as Edmonton, Alberta, Canada and Liverpool, England, although the climate is not comparable to either. The characteristic weather is gloomy. Winters are cold, humid, and cloudy with few clear days and frequent snowfall that begins to accumulate about mid-October and lasts until about the middle of April. Winter temperatures, from November through February, range from -14°F to -39°F. Summers are moderately warm with light breezes, recurring cold spells, and frequent fogs. The temperatures during the warmest 4 months vary between 45°F and 68°F. Roughly twice as much precipitation falls in summer as in winter, and spring

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# KOZELSK ICBM COMPLEX, USSR

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Component	Type	Completion Confirmed	Geographic Coordinates
Complex Support Facility			53-56N 035-49E
Launch Site 2	IIC		53-48N 035-46E
Launch Site 3	IIC		53-54N 035-45E
Launch Site 4	IIC		53-53N 035-51E
Launch Site 5	IIB		53-51N 035-41E
Launch Site 6	IIB		53-40N 035-58E
Launch Group G			
Launch Site 7G*	IID	--	53-48N 035-48E
Launch Site 8G	IID	--	53-48N 035-53E
Launch Site 9G	IID	--	53-44N 035-59E
Launch Site 10G	IID	--	53-46N 035-41E
Launch Site 11G	IID	--	53-53N 035-43E
Launch Site 12G	IID	--	53-51N 035-47E
Launch Site 22G	IID	--	53-49N 035-41E
Launch Site 23G	IID	--	53-40N 035-46E
Launch Site 25G	IID	--	53-44N 035-53E
Launch Site 26G	IID	--	53-44N 035-48E
Launch Group H			
Launch Site 15H*	IID	--	54-01N 035-27E
Launch Site 16H	IID	--	54-04N 035-29E
Launch Site 17H	IID	--	53-56N 035-22E
Launch Site 18H	IID	--	53-59N 035-20E
Launch Site 19H	IID	--	54-01N 035-31E
Launch Site 20H	IID	--	53-57N 035-27E
Launch Site 28H	IID	--	53-56N 035-34E
Launch Site 29H	IID	--	54-03N 035-40E
Launch Site 30H	IID	--	53-59N 035-38E
Launch Site 39H	IID	--	54-02N 035-19E
Launch Group I			
Launch Site 13I	IID	--	53-54N 035-50E
Launch Site 32I*	IID	--	53-54N 035-53E
Launch Site 33I	IID	--	53-51N 035-55E
Launch Site 34I	IID	--	53-52N 035-59E
Launch Site 35I	IID	--	53-55N 035-48E
Launch Site 36I	IID	--	53-56N 035-51E
Launch Site 37I	IID	--	53-57N 035-58E
Launch Site 38I	IID	--	54-01N 036-01E
Launch Site 40I	IID	--	53-55N 036-04E
Launch Site 41I	IID	--	53-59N 035-54E

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\*Control Site

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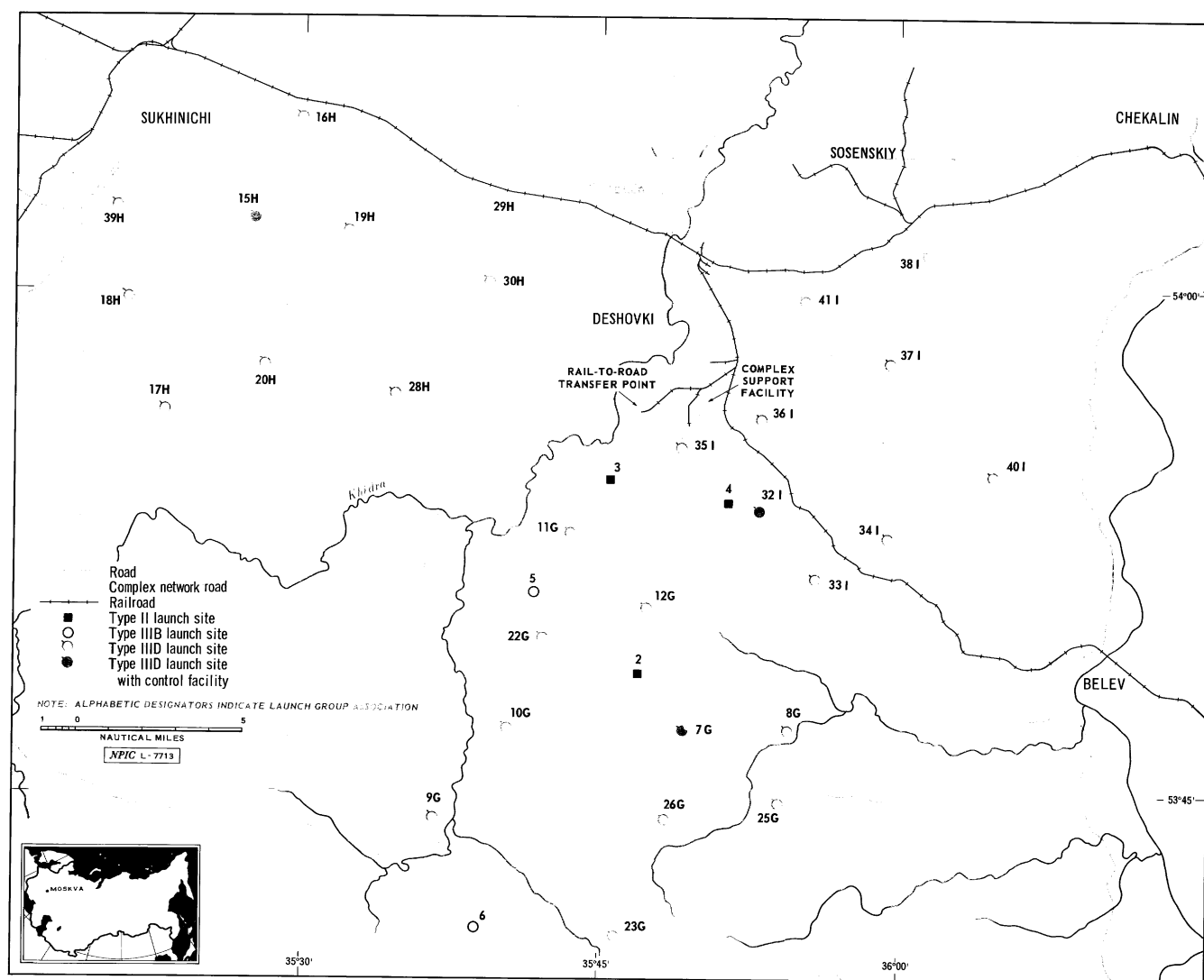


FIGURE 1. LOCATION OF KOZELSK ICBM COMPLEX.

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is drier than fall. Precipitation, in general, falls every second or third day in all seasons of the year. Minimum cloudiness generally exists from May to August when approximately two-thirds of the days are clear. Maximum cloudiness occurs from November through January when approximately one-fourth of the days are clear. Weather in this region varies considerably from year to year, and sudden intrusions of Arctic air may cause drastic temperature drops at any time. Below-freezing temperatures may be experienced even during the summer months.

Transportation facilities at Kozelsk are among the best of any of the complexes in the Soviet Union. The city is on an important east-west rail line that is part of a concentrated network connecting most of the important cities in the European USSR. The complex support facility and the rail-to-road transfer point are served by a spur from the rail line between Kozelsk and Belev. The public road system in this part of the USSR is greatly superior to similar facilities at those complexes east of the Ural Mountains. Kozelsk lies within a network of good roads that interconnect with other cities and towns in the region. Within the complex, an improved road system was constructed concurrently with the SS-8 sites. Many of the earlier Type IIID sites were deployed close to the existing complex main road, and only a short access road was needed to reach the site. The sites in Launch Group H are not yet provided with improved roads but, as they are completed, a road system will undoubtedly be constructed to serve the sites.

Kozelsk is the largest of the 3 deployed SS-8 missile complexes in the USSR. Initial construction activity for the complex support facility probably was begun about [ ] with the first launch sites started early in [ ] The construction program, like that of the 2 other SS-8 complexes, appeared to be obstructed by indecision and changes in plans. The complex was first observed in [ ] when the complex support facility and Launch Sites 2 and 3, both Type IIC, and Launch Site 5, a Type IIIB, were present in an early stage of construction. Launch Site 1, a Type IIC, was also under construction at that time, but was later abandoned in favor of a Type IIIB site which was also subsequently abandoned. Launch Site 4, Type IIC, was observed under construction in [ ] and Launch Site 6, a Type IIIB, in [ ] Launch Sites 2, 3, 4, 5, and 6 were all complete by [ ] Construction activity, identified as Type IIID launch sites, was observed at this complex in [ ] This is the only complex for the SS-8 missile that also contains Type IIID sites. Construction of the first sites at Launch Group G was probably initiated about [ ] and the tenth site was begun during mid-summer of [ ] The construction pace of Launch Group H

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was generally concurrent with Launch Group G, although it may ultimately lag by about 2 months. The sites at Launch Group I were probably started in mid-summer or early winter of [ ]

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The complex, [ ] was deployed entirely within the forested areas south of the city of Kozelsk. The Type IIID sites are deployed in the forested areas, in orchards, and some in open fields. Future trends in Type IIID deployment at this complex are difficult to determine. The Soviets have never shown any standardization in the total number of sites deployed at any complex. There is ample room for continued deployment in almost any direction from the complex support facility. If the Soviets plan to continue deployment of Type IIID sites at this complex, construction for the next launch group should be initiated by the end of [ ]

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#### REFERENCES

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#### DOCUMENT

1. NPIC. [ ] *Kozelsk ICBM Complex, USSR, Aug 66* (TOP SECRET [ ])

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#### REQUIREMENT

CIA. C-DI5-82,972

#### NPIC PROJECT

11210/66 (partial answer)

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